

## Part 1

# Getting to Know Excel 2007

With Microsoft's popular Excel 2007 spreadsheet program, you can enter, manipulate, and analyze data in ways that would be impossible, cumbersome, or error prone for you to do manually. This part gives you the basics you need to get up and running quickly in Excel.



### In this part . . .

- ✓ Familiarizing Yourself with the Excel 2007 Window
- ✓ Navigating with the Mouse and Keyboard
- ✓ Introducing the Ribbon, Quick Access Toolbar, and Office Menu
- ✓ Formatting with Themes and Previewing Your Formatting Live

## Excel Basics

Excel documents are known as *workbooks*. A single workbook can store as many sheets as will fit into memory, and these sheets are stacked like the pages in a notebook. Sheets can be either *worksheets* (a normal spreadsheet-type sheet with rows and columns) or *chart sheets* (a special sheet that holds a single chart).

Most of the time, you perform tasks in worksheets. In older versions of Excel (well, except for really old versions), each worksheet used a grid with 65,536 rows and 256 columns. Excel numbers rows starting with 1 and assigns letters to columns starting with A. After Excel exhausts the letters of the alphabet, column lettering continues with AA, AB, and so on. So column 1 is A, column 26 is Z, column 27 is AA, column 52 is AZ, column 53 is BA, and so on. Prior to Excel 2007, row numbers ranged from 1 to 65,536 and column labels ranged from A (column 1) to IV (column 256).



Excel 2007 increases the number of rows and columns in a single worksheet significantly. A worksheet now has 1,048,576 rows (no, that's not a typo) and 16,384 columns (no, that's not a typo either). Rows are numbered from 1 to 1048576 and columns are labeled from A to XFD.

The intersection of a row and a column is called a *cell*. A quick calculation using Excel tells me that this works out to 17,179,869,184 cells — more than enough for just about any use. Cells have *addresses*, which are based on their row and column. The upper-left cell in a worksheet is called A1, and the cell down at the bottom right is called XFD1048576. Cell K9 (also known as the dog cell) is the intersection of the eleventh column and the ninth row.

You might be wondering about the amount of system memory (known as random access memory, or RAM) you need to accommodate all those rows and columns. The actual memory you need depends on the amount of data you store in the workbook and the number of open workbooks. The good news is that Excel 2007 allows you to work with more memory than previous versions. Excel 2003, for example, will utilize up to only 1 GB (gigabyte) of memory, even if your system has more memory available. In Excel 2007, the memory available is limited by the maximum amount of memory that your version of Windows (XP or Vista) can use.

## Formulas

A cell in Excel can hold a number, some text, a formula, or nothing at all. You already know what numbers and text are, but you may be a bit fuzzy on the concept of a formula. A *formula* tells Excel to perform a calculation using information stored in other cells. For example, you can insert a formula that tells Excel to add the values in the first 10 cells in column A and to display the result in the cell that contains the formula.

Formulas can use normal arithmetic operators such as + (plus), — (minus), \* (multiply), and / (divide). They can also use special built-in functions that let you do powerful things without much effort on your part. For example, Excel has functions that add a range of values, calculate square roots, compute loan payments, and even tell you the time of day. Part 5 covers how to use the various functions in Excel.

## Active cell and ranges

In Excel, one of the cells in a worksheet is always the active cell. The *active cell* is the one that's selected, and it's displayed with a thicker border than the others. Its contents appear in the *formula bar*. You can select a group, or *range*, of cells by clicking and dragging the mouse pointer over them. You can then issue a command that does something to the active cell or to the range.

The selected range is usually a group of contiguous cells, but it doesn't have to be. To select a noncontiguous group of cells, select the first cell or group of cells, hold down the Ctrl key while you drag the mouse, and select the next cell or group of cells.

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## *Familiarizing Yourself with the Excel 2007 Window*

Figure 1-1 shows a typical Excel 2007 window, with the important parts labeled. This terminology rears its ugly head throughout the book, so look at the figure carefully.

## Moving, resizing, and closing windows

When Excel and workbook windows are in a *restored* state (between a maximized and minimized state, that is) you can use the resize handles to adjust the window size to your liking. Move the mouse pointer to the area of the resize handle until the pointer changes to a double-headed arrow, and then drag with the mouse.

You can move the window around the screen by dragging the title bars. **See also** "Using the Mouse and Keyboard," later in this part.

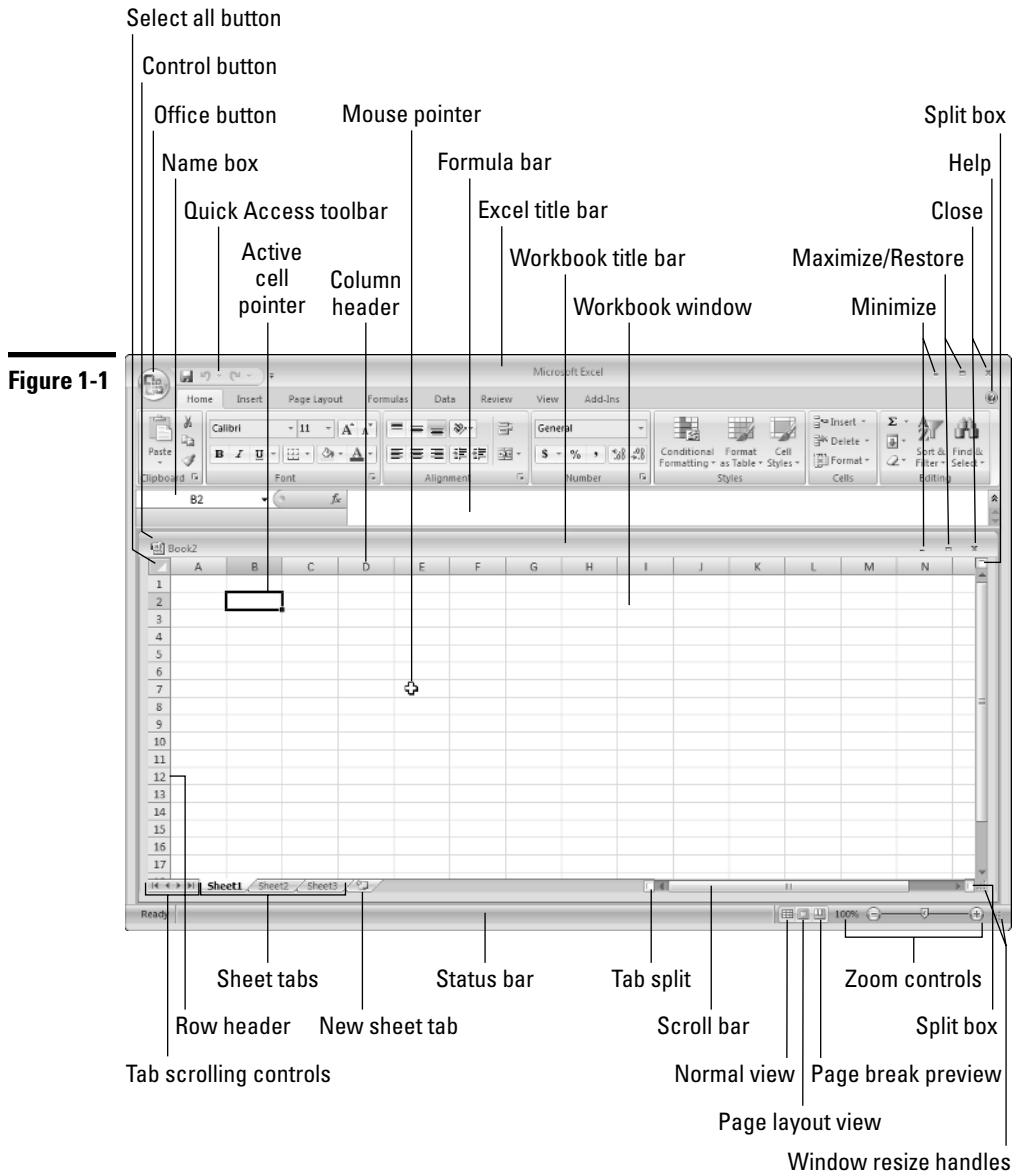
When the active workbook window is maximized, it shares a single Close button with the Excel window. After you click the shared Close button, Excel closes the active workbook.

## Exiting Excel

Use any one of the following methods to close the Excel application:

- ✓ Click the Close button on the Excel title bar if one or no workbook is open.
- ✓ Click the Office button and then click the Exit Excel button.

- ✓ Double-click the Office button. **See** “Introducing the Office Menu,” later in this part.
- ✓ Press the Alt key, then press F, and then press X.



## *Navigating with the Mouse and Keyboard*

The mouse is the primary tool that you use in Excel for executing commands, making selections, and navigating in the worksheet. Following are the mouse conventions that we use in this book:

- ✓ **Click:** Click the left mouse button once.
- ✓ **Double-click:** Click the left mouse button twice in quick succession. It may take you some time to get the hang of this action.
- ✓ **Right-click:** Click the right mouse button once.
- ✓ **Drag:** Hold down the left mouse button and move the mouse. Release the mouse button to complete the drag operation.
- ✓ **Hover:** Place the mouse pointer over an element without clicking a mouse button.
- ✓ **Select:** Place the mouse pointer over an element and click the left mouse button.

### **Mousing around**

Every mouse action is associated with some element in the Excel window. An *element* can be a slider, button, cell, chart object, and so on. You select or hover over the element using the mouse pointer.

Navigating through a worksheet with a mouse works just as you'd expect. Just click a cell, and it becomes the active cell. If the cell that you want to activate isn't visible in the workbook window, you can use the scroll bars to scroll the window in any direction, as follows:

- ✓ To scroll one cell, click one of the arrows on the scroll bar.
- ✓ To scroll by a complete screen, click either side of the scroll bar's slider button (the large center button).
- ✓ To scroll faster, drag the slider.
- ✓ To scroll a long distance vertically, press and hold the Shift key while dragging the slider button.

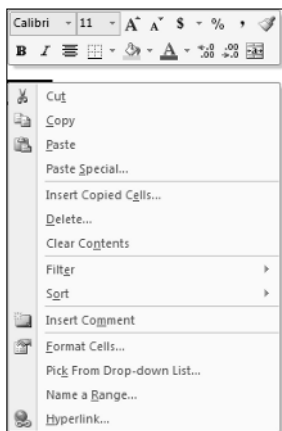
Note that only the active workbook window displays scroll bars. If you activate a different window, its scroll bars appear.

After you right-click a cell, a range of cells, or another object in the worksheet area, Excel displays a *contextual* menu, so-called because the menu includes commands specific to working with the cell, range, or object.



For your convenience, Excel 2007 adds a mini-toolbar above the contextual menu with useful commands drawn from the Ribbon, as shown in Figure 1-2. **See also** “Introducing the Ribbon,” later in this part.

**Figure 1-2**



## Using the keyboard

Most users will be comfortable using the mouse to do all their work in Excel. For users who prefer to use the keyboard exclusively when working in Windows applications or for users who prefer to split the use of the mouse and keyboard among various tasks, Excel provides the following solutions.

- ✓ Keyboard shortcuts
- ✓ Keyboard navigation
- ✓ KeyTips

The first two functions are described next. For more on the last function, KeyTips, **see** “Tipping off your keyboard,” later in this part.

You can access commands in Excel using *keyboard shortcuts*, which are individual keystrokes or a combination of keys pressed simultaneously. To access the Print command using a shortcut, for example, you press and hold down the Ctrl key and press the P key, represented in this book as Ctrl+P. The following table lists some common keyboard shortcuts in Excel.

<i><b>Shortcut</b></i>	<i><b>Action</b></i>
Ctrl+A	Select all
Ctrl+B	Apply or remove bold formatting
Ctrl+C	Copy selection

<b><i>Shortcut</i></b>	<b><i>Action</i></b>
Ctrl+F	Find
Ctrl+G or F5	Go To
Ctrl+H	Replace
Ctrl+I	Apply or remove italic formatting
Ctrl+O or Ctrl+F12	Open a document
Ctrl+P	Print
Ctrl+S or Shift+F12	Save
Ctrl+U	Apply or remove underlining
Ctrl+V	Paste
Ctrl+W or Ctrl+F4	Close the active workbook
Ctrl+X	Cut
Ctrl+Y or F4	Repeat the last action
Ctrl+Z	Undo the last action
F1	Display the help viewer
Ctrl+F1	Hide or display the Ribbon commands
F2	Enable editing within the active cell

With more than 17 billion cells in a worksheet, you need ways to move to specific cells. Fortunately, Excel provides you with many techniques to move around a worksheet. As always, you can use either your mouse or the keyboard on your navigational journeys. The following table lists the keystrokes that enable you to move through a worksheet.

<b><i>Keys</i></b>	<b><i>Action</i></b>
Up arrow	Moves the active cell one row up
Down arrow	Moves the active cell one row down
Left arrow	Moves the active cell one column to the left
Right arrow	Moves the active cell one column to the right
PgUp	Moves the active cell one screen up
PgDn	Moves the active cell one screen down
Alt+PgDn	Moves the active cell one screen right
Alt+PgUp	Moves the active cell one screen left
Home	Moves the active cell to the first column of the row that the active cell is currently in

<i>Keys</i>	<i>Action</i>
Ctrl+Home	Moves the active cell to the beginning of worksheet (A1)
F5	Displays the Go To dialog box
Ctrl+Backspace	Scrolls the screen to display the active cell
Up arrow*	Scrolls the screen one row up (active cell doesn't change)
Down arrow*	Scrolls the screen one row down (active cell doesn't change)
Left arrow*	Scrolls the screen one column left (active cell doesn't change)
Right arrow*	Scrolls the screen one column right (active cell doesn't change)

\* With Scroll Lock on

## Introducing the Ribbon



Excel 2007 comes with a new user interface that replaces the standard menus and toolbars found at the top of the window in previous versions of Excel. The new interface is called the *Ribbon* and consists of a series of tabs, each containing a variety of commands grouped according to function (see Figure 1-3). Virtually all the features in Excel 2007 are available through the commands in the Ribbon tabs. This arrangement allows you to discover features in the program far more easily than if you had to drill down several layers into menus.

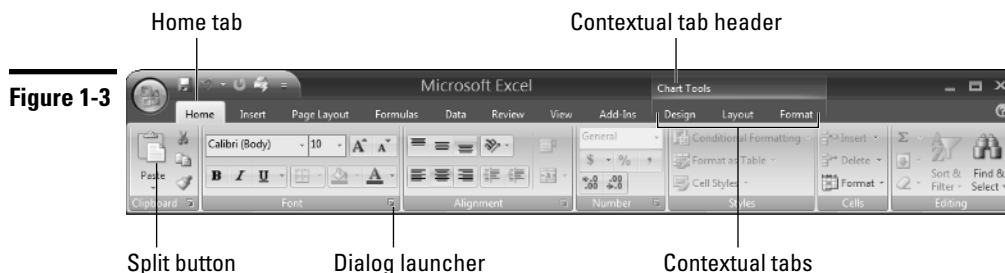


Figure 1-3

## Dissecting the parts of the Ribbon

The commands in the Ribbon are accessed through a variety of *controls*. Here's a list of the various types of controls and other parts that make up the Ribbon:

- **Button:** This is the most common type of control. Most buttons in the Ribbon (except the formatting ones) have descriptive text associated with them, so you don't need to be a Mensa expert to figure out what a button represents. The most frequently used commands in each Ribbon tab have larger buttons.



Most buttons execute commands directly when you click them. However, some buttons have a built-in downward-pointing arrow, and others have an attached downward-pointing arrow. Clicking a button with a built-in arrow displays a menu or gallery. For a button with an attached arrow (known as a *split button*), the icon part of the button represents the most common command for the button. Clicking the arrow part displays a menu with additional command choices. The two types of buttons with arrows look similar but if you hover the mouse pointer over a button with an attached arrow, you see a clear delineation between the icon (command) part and the arrow (menu) part (see Figure 1-3).

- ✓ **Check box:** A square box that you click to turn an option on or off.
- ✓ **Command group:** Each Ribbon tab contains groups of related commands. For example, you find commands related to text fonts in the Fonts group of the Home tab.
- ✓ **Dialog launcher:** A command that launches a dialog box (a pop-up window) from within a command group, menu, or gallery. The dialog launcher in a command group is a little button in the bottom right of the group. In addition, some menus and galleries contain options that launch dialog boxes. After you click a dialog launcher, a dialog box appears that presents additional choices. (However, the Ribbon displays the commands you are likely to use frequently, thus minimizing the need to launch dialog boxes.)
- ✓ **Drop-down list:** A list of things you can choose from. Click the control's downward-pointing arrow to display the list.
- ✓ **Gallery:** A *gallery* is a new control in Excel 2007 that presents you with a set of graphic choices, such as a particular formatting style (patterns, colors, and effects) or a predefined layout. An example of a predefined layout is a chart choice with specific elements preselected for inclusion in the chart. Galleries enable Excel to be more results oriented; that is, they present the likely result you are looking for first and then expose advanced choices through a dialog box or Ribbon command.

Three types of galleries are available:

- **Drop-down gallery:** This is displayed after you click a button with a downward-pointing arrow. This type of gallery presents a single column of choices and includes both graphic and text elements.
- **Drop-down grid:** This is displayed after you click a button with a downward-pointing arrow. This type of gallery presents a two-dimensional grid of choices and does not include text.
- **In-Ribbon gallery:** Like the drop-down grid, but this gallery exposes a single row of choices directly within a Ribbon control group. You can click up and down scroll arrows to reveal additional rows, or you can click a drop-down arrow to display the full set of choices in a two-dimensional grid.

- ✓ **Help button:** On the far right of the Ribbon is the help button (the question mark). Click this button for general Excel help.
- ✓ **Menu, rich:** Rich menus are new in Excel 2007. Each menu choice has an illustrative graphic, the command name, and in some cases a short description of what the command does.



Don't confuse rich menus with drop-down galleries, although they look similar. Menus contain related commands. Galleries allow you to choose from among a set of formats or layouts.

- ✓ **Menu, standard:** Most users are already familiar with this form of menu — a drop-down list of choices with command names (such as Paste or Insert Cells). Some command names have small associated icons. If you click a command name that ends with an ellipsis (...), Excel displays a dialog box that presents further choices.
- ✓ **Spinner:** A control with two arrows (one pointing up, the other pointing down) used with an input box to specify a number (height or width, for example.) Clicking an arrow increases or decreases the number in the input box. You can also enter a number in the box directly. The spinner control allows you to use only valid numbers.
- ✓ **Tab, contextual:** Contextual tabs give the Ribbon the power to expose all features in Excel. One or more contextual tabs appear after you insert or select an object, such as a chart, shape, table, or picture. For example, after you insert a chart, three contextual tabs related to chart functionality appear on the Ribbon and a header labeled Chart Tools appears on the Excel title bar above the contextual tabs. Contextual tabs contain all the commands you need for working with the particular object. After you deselect an object, the contextual tabs (and the header) disappear.

The general rules that govern the display of contextual tabs follow:

- After you select an object (such as a chart, shape, or table), one or more contextual tabs for the object appear on the Ribbon. You must select a tab to display the associated commands.
- After you insert an object, Excel displays the commands for the first tab of the contextual tab set for that object.
- After you double-click an object, Excel displays the commands for the first tab of the contextual tab set for that object. Note that not all objects have this double-click capability.
- After you select, deselect, and then reselect the object without using any other commands in-between, Excel displays the commands for the first tab of the contextual tab set for that object.

- ✓ **Tab, standard:** The Ribbon comes with a set of standard tabs, each organized according to the functions of the commands that it contains. For example, the Insert tab contains command groups to insert shapes, charts, tables, pictures, and so on. An exception is the Home tab, which is so-named because this is where you do most of your work in Excel.



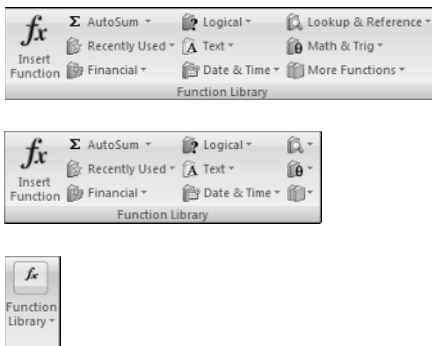
If your mouse has a scroll wheel, you can navigate quickly among the Ribbon tabs by hovering the mouse pointer over the Ribbon area and scrolling the wheel back and forth.

- ✓ **Text box:** A box in which you enter a number or text. In general, the Ribbon associates a text box with another control, such as a spinner or a drop-down box.

## Sizing up the Ribbon

The layout of the Ribbon controls is not static. Depending on your screen resolution, or the Excel window size, or both, the Ribbon provides one of four layout options for command groups. If sufficient space is available, the Ribbon presents a layout that labels commands, displays more commands individually, and eliminates extra clicks. As you resize the Ribbon downwards (by reducing the screen resolution or shrinking the size of the Excel window), the Ribbon rearranges the layout of some of the command groups by first resizing command buttons (larger buttons become smaller), then removing labels from commands, and finally reducing the groups to single large buttons (see Figure 1-4). To access the commands in a command group that the Ribbon resizes to a single button, you must first click the button to display a flyout menu and then select the command.

Figure 1-4

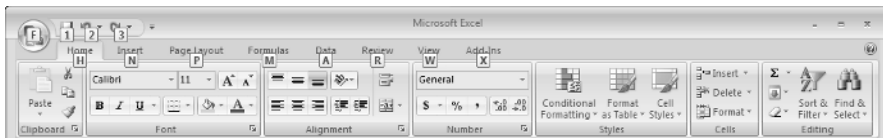


It is important to note that at each stage of downward resizing, no command groups or commands disappear entirely from the Ribbon. The multiple layout options for the command groups ensure that nothing is lost as space becomes more limited. If you reduce the size of the Excel window sufficiently, however, the Ribbon disappears altogether.

## Tipping off your keyboard

Excel provides a feature called KeyTips that allow you to access every command on the Ribbon using the keyboard, without having to memorize keystroke combinations! So, what are KeyTips? *KeyTips* are little alphanumerical indicators containing a single letter, a combination of two letters, or a number, indicating what to type to activate the command under them, as shown in Figure 1-5.

Figure 1-5



Follow these steps to access a command in a Ribbon tab using a KeyTip:

1. Press the Alt key. The KeyTips appear over the Ribbon tabs (Ignore the KeyTips that appear in the other areas of the interface for this exercise.)
2. Press the key that represents the KeyTip for the Ribbon tab you want to access. For example, press N to select the Insert tab. Note that you *do not* have to hold down the Alt key. If you need to select a different tab after you select the KeyTip for a tab, press the Esc key.
3. Press the key or key combination that represents the KeyTip for the command you want to use.

If the command you select is a drop-down gallery or drop-down grid, you can use an arrow key or the Tab key to highlight your choice and then press the Enter key to select your choice.

**Remember:** KeyTips are associated with in-Ribbon galleries, so you have to press the key that represents the KeyTip for the gallery before you can choose an option in the gallery.

**Remember:** If the command you want to use requires a number key, you must use the number keys on the main keyboard. The KeyTip feature does not work with the numeric keypad.

## Hiding the Ribbon commands

If you find that the Ribbon commands take up too much of your screen area, you can hide them using any of the following methods:

- ✓ Press Ctrl+F1
- ✓ Double-click any Ribbon tab

- ✓ Right-click in the Ribbon area and choose Minimize the Ribbon from the contextual menu
- ✓ Click the arrow to the right of the Quick Access toolbar and choose Minimize the Ribbon from the menu

If you click a tab after you hide the Ribbon commands, Excel displays the tab commands temporarily. The command display is hidden again after you select a command in the tab or click away from the Ribbon area. Similarly, you can use KeyTips to select a command when the command display is hidden.

To redisplay the commands permanently after you hide them, use the same methods described for hiding the commands.

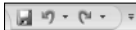
**Remember:** Excel maintains the hidden condition of the Ribbon commands if you exit and subsequently re-launch Excel.

## Introducing the Quick Access Toolbar



The Quick Access toolbar is an area of the new user interface that provides quick access to commands. The toolbar is designed to reduce the amount of navigation you have to do in the Ribbon to access the features that you use frequently. The Quick Access toolbar is on the left side of the screen, above the Ribbon and to the right of the Office button (see Figure 1-6).

Figure 1-6



The Quick Access toolbar is the only area of the new user interface that you can customize by adding commands to the three default commands (Save, Undo, and Redo).

Follow these steps to add a command to the toolbar:

1. Select the Ribbon tab that houses the command you want to add.
2. Right-click the command and choose Add to Quick Access Toolbar in the menu that appears.



To quickly add some common commands to the Quick Access toolbar, click the arrow to the right of the toolbar and choose a command from the menu.



You can add an entire command group to the Quick Access toolbar. Just right-click an area in the command group name (for example, Font) and choose Add to Quick Access Toolbar.

Follow these steps to remove a command (including the default commands) from the toolbar:

1. Right-click the command you want to remove from the toolbar.
2. Choose Remove from Quick Access Toolbar in the menu that appears.



TIP

If you think you'll be adding a lot of commands to the Quick Access toolbar, it's a good idea to move the toolbar from the title bar to a separate location below the Ribbon. Right-click anywhere on the toolbar and choose Place Quick Access Toolbar below the Ribbon in the menu that appears. You can regain screen area for working in the worksheet by double-clicking a Ribbon tab (or pressing Ctrl+F1) to hide the Ribbon controls temporarily.

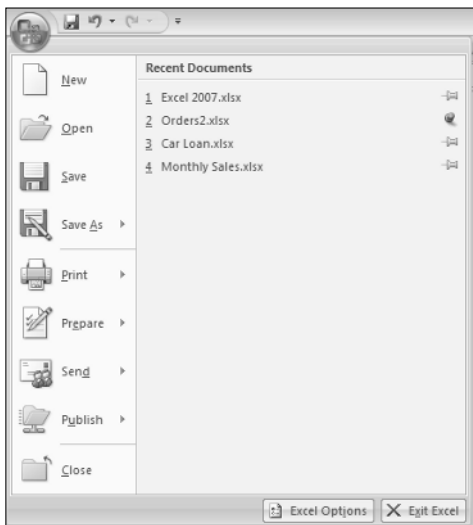
You can access commands on the Quick Access toolbar using the keyboard. Press the Alt key and then a number key that represents the KeyTip for the command you want to access. **See also** "Tipping off your keyboard," earlier in this part.

## Introducing the Office Menu



Excel 2007 introduces a new menu for working with documents and accessing special Excel options. The menu is accessed by clicking the Office button (the large round button with the Office logo), located at the top-left corner of the Excel screen. See Figure 1-7.

Figure 1-7



The menu is divided into two sections. The left section contains a list of document-related commands. By default, the right section displays a list of recently used documents. Click a document name in the list to open the file. Click a pushpin to the right of a document name to keep the document on the list permanently. By default, Excel lists 17 documents, which get overridden with new documents unless you use the pushpin control. Some file commands on the left section include a built-in or attached arrow. If you hover the mouse pointer over a command with an attached arrow, you will see a clear demarcation between the button and the arrow. Clicking a button with a built-in arrow or the arrow portion of a button with an attached arrow displays additional choices in the right section of the menu.

The Office menu also includes a button to access various Excel options and a button to exit Excel. We encourage you to visit the options from time to time, because you may find useful application, workbook, or worksheet options that you want to turn on or off. An option in the Advanced section of the Excel Options dialog box, for example, allows you to increase the number of documents displayed in the Recent Documents list to a maximum of 50.

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## *Previewing Your Formatting Live*



New in Excel 2007 is a Live Preview feature. When you hover over a formatting option with the mouse pointer, Excel lets you see the effect that the formatting option will have on your selection *before* you commit to applying the option. Your selection might be a cell, range of cells, chart, table, shape, and more.

Suppose that you want to change the font of some text in a cell. In the Ribbon, a drop-down box called the font picker presents a list of available fonts. As you hover over each choice in the font picker, your cell updates to show you what the text would look like if you chose that font. Live Preview avoids the normal tedium of committing to an option, then undoing the option because the result is not what you wanted, and then committing to another option, only to realize that you don't like the new result either, and so on.

You will find Live Preview options throughout Excel in places where formatting alternatives are available — most notably in galleries.

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## *Formatting with Themes*



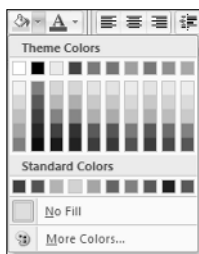
In Excel 2007, you can now use a formatting concept known as a *theme*. A *theme* consists of a combination of fonts, colors, and effects that provide a consistent look among your workbook's elements, including cells, charts, tables, and PivotTables. You apply the theme's fonts, colors, and effects through individual options or the style galleries of the various elements.

Excel applies a default theme to all new workbooks along with a theme gallery so that you can change the default theme. After you select a new theme, all galleries and all the elements in your workbook formatted with theme styles change to match the new theme.

Following is a description of the three parts of a theme:

- ✓ **Theme font:** A theme uses two complementary fonts — a header font and a body font. All elements using themed styles thus use the same font or fonts. Click the arrow on the drop-down box (called the *font picker*) in the Ribbon's Home tab to see the fonts used in the theme currently applied to the workbook.
- ✓ **Theme color:** A theme uses a matched set of twelve colors. Click the arrow on the Fill Color or Font Color tool in the Font group of the Home tab to see ten of the colors used in the theme currently applied to the workbook (see Figure 1-8).

Figure 1-8



The following are characteristics of theme colors:

- The top row in a color picker displays the base theme colors, and the next five rows display various tints and shades of the base colors. Below the theme colors are standard colors that do not change if the theme is changed. If you want to apply specific formatting that doesn't change after you change the theme, use a standard color.
- The first four colors on the picker (from the left), are intended for text and background use. These colors are designed so that light text always shows well on a dark background, and vice versa.
- The next six colors are used for accents. Most of the theme-style galleries in Excel make extensive use of accent colors.

The two colors that are not exposed on the color pickers are used for hyperlinks (not discussed in this book).

- ✓ **Theme effect:** Theme effects apply to graphic elements such as charts and shapes and include three levels of styles for outlines, fills, and special effects. Special effects include shadow, glow, bevel, and reflection.



You can change the theme in a workbook by clicking the Themes button in the Ribbon's Page Layout tab and selecting a new theme from the gallery that appears.

**Remember:** The three Microsoft Office applications — Excel 2007, Word 2007, and PowerPoint 2007 — share the same themes. If you create reports that combine elements from each application, your reports will have a consistent look if you use a common theme.

## Soliciting Help

With so many features and options available in Excel, it isn't unusual to get stuck once in a while. Fortunately, Excel provides the following methods for getting help easily:



**Enhanced ScreenTips:** Standard ScreenTips (also called ToolTips) have been available in Excel for some time and provide textual context to commands. After you hover your mouse pointer over a command in earlier versions of Excel, Excel displays the action of the command using either a single word (such as *Paste*) or a brief phrase (such as *Increase Font Size*). A standard ScreenTip helps to decipher the meaning of a command button, for example, when the button has no associated text and the command meaning is unclear from the button icon.

Enhanced ScreenTips take the concept a step further by adding a short description explaining the purpose of the command (hence the prefix *Enhanced*). Some Enhanced ScreenTips include an explanatory graphic when a text description is insufficient to explain the meaning of the command. Enhanced ScreenTips are available for all commands on the Ribbon. In many cases, the ScreenTip explanation provides enough information, so you don't have to seek additional help. By default, Excel 2007 uses Enhanced ScreenTips for all commands.

- ✓ **Contextual help:** If the Enhanced ScreenTip doesn't offer enough for you to understand the use of a specific command, you can get more detailed help. After you hover the mouse pointer over the command, the Enhanced ScreenTip that pops up lets you know whether additional help for the command is available by indicating that you can press F1 for more help.

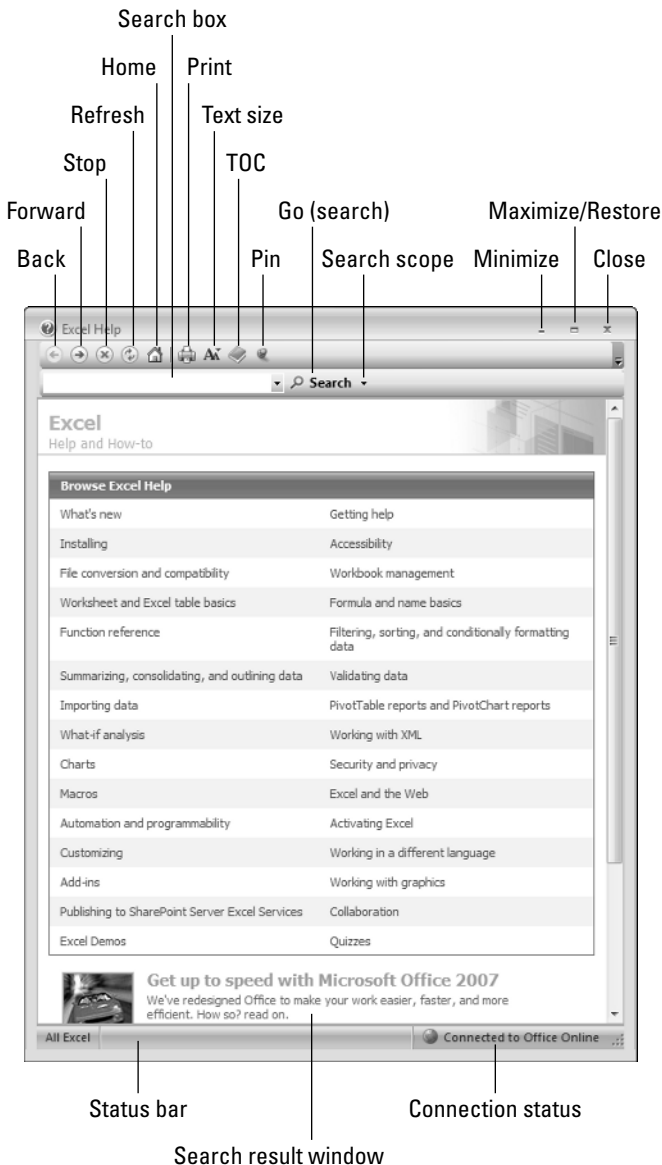
If you are in a dialog box and need help for the dialog box options, press the help button (the question mark) to get contextual help.

- ✓ **General help:** Click the help button (the question mark) on the right side of the Ribbon or press F1 when you are not in a specific context (for example, the mouse pointer is not hovering over a command in the Ribbon) to display a list of general help topics.



When you use contextual help or general help, Excel displays the help viewer, shown in Figure 1-9. The viewer sports Internet browser-style controls. In fact, it was built using the same technology that Microsoft uses in its Internet Explorer browser application. Of course, the viewer is not a full-fledged browser because you can view only Excel help content.

**Figure 1-9**



The major features of the help viewer follow:

- ✓ **Search box:** You can enter specific search text in this box. The viewer stores a list of your text searches for the current help session. Click the drop-down arrow on the side of the box to view and select an item from the list if you want to review a previous search result.
- ✓ **Search button:** Click the Search button (or press Enter) to initiate a search after you enter the search text in the search box. Click the arrow next to the search button to define the search scope. By default, if your computer is connected to the Internet, Excel will display help content from an online source. If possible, you should use this source as your first choice because Microsoft updates the contents of online help regularly.

If you are offline when you initiate a search, Excel uses help content internal to your system. You can force Excel to use internal help content always by clicking the arrow next to the Search button and choosing Offline Excel Help from the menu.

Whether online or offline, you can narrow your search scope further by selecting an appropriate option from the Search button menu.

- ✓ **Search result window:** This window displays the results of your search request. If you use contextual help or enter text in the search box, the window displays help information specific to the context of the search. If you use general help, the window displays a list of general help topics in the form of titled links. Clicking a link displays a new set of links with more specific titles. Click the specific link title that best matches your search criterion to display detailed information on the topic.
- ✓ **Status bar:** The left side of the status bar (located at the bottom of the help viewer) displays the current search scope. The right side of the status bar displays the connection status. You can click in the connection status area to switch quickly between viewing online and offline help content.
- ✓ **Maximize/Restore button:** Click this button for a full-screen view of the help window. Click again to restore the window to its previous size.
- ✓ **Minimize button:** Click this button to hide the help viewer window. Click the Help button on the Windows taskbar (normally located below the Excel window) to redisplay the viewer.
- ✓ **Close button:** Click this button to close the help viewer.
- ✓ **Pin button:** By default, Excel keeps the help viewer window on top when you are working in the application. Use the Pin button to control this behavior. If you “unpin” the viewer, Excel hides the window automatically if you click anywhere inside the Excel window.

- ✔ **TOC (Table of Contents) button:** Click this button to display a Table of Contents pane on the left side of the help viewer. The pane displays the same list of topics that the main windows displays after you select general help or click the Home button. Clicking a main topic in the pane displays a list of subtopics, similar to the subtopics that the main windows displays after you click a general help topic link. The Table of Contents pane is convenient if you want to view the details of multiple subtopics in succession.
- ✔ **Text size button:** Click this button to select a size for the text in the search result window.
- ✔ **Print button:** Click this button to print the help topic that the search result window displays.
- ✔ **Home button:** After browsing multiple helps topics in the search result window, you might want to return to the list of main help topics to choose another general topic link. Click the Home button to return to the list of main help topics.
- ✔ **Refresh button:** Click this button to refresh the help topic list after you connect or disconnect from the Internet while the help viewer is open.
- ✔ **Stop button:** Click this button to cancel a search request if the help viewer is experiencing difficulties connecting to the online help source.
- ✔ **Back and Forward buttons:** After browsing multiple helps topics in the search result window, you might want to navigate among results and various levels of detail. Click the Back or Forward button to perform your navigation.



If you want to resize the help viewer window, move the mouse pointer to any edge of the window until the pointer changes to a double-headed arrow, and then drag the mouse.